

Revegetation

Soil stabilization practices are necessary where soil is exposed and is likely to erode to adjacent streams. Stabilization through revegetation is recommended on all bare soil areas that exceed five percent slope or on highly erodible soils. Bare soil areas should be stabilized immediately following harvest by using the recommended specifications and seeding tables that follow. For further assistance, contact the Department of Forestry; Soil and Water Conservation Districts, or the Department of Game and Inland Fisheries.

Specifications for Revegetation

- ◆ Select a seed mix appropriate for the conditions and the season of the year to ensure success.
- ◆ Install all necessary water control structures prior to seeding.
- ◆ Adequate seed bed preparation is essential to the successful germination of the seed. Surface roughening may be required.
- ◆ An application of mulch during the dry summer months and in the fall can help in the establishment of the vegetation.

Revegetation

- ♦ Lime and fertilizer is generally required. It is recommended that a soil test be done to determine the correct quantities. In general, in areas with acidic soils, 1.5 tons of lime per acre and 600 pounds of 10-10-10 fertilizer will assist germination and survival.

Please refer to the following tables for:

Seeding Mixtures and Guidelines for Revegetation of Critical Areas in Virginia

**Choose a mixture of Main Crop, Legumes and
Grains/Grasses to equal a total of 100 to 150
pounds per acre seeding rate.**

Revegetation

Main Crop

Choose one of the following or a combination:

Table 10. Main Crop Seeding Rates and Times

Seeding Mixture	Rate/Acre	N. Piedmont, Mountains, Valley	S. Piedmont, Coastal Plain
Perennial Ryegrass K-31 Fescue	Total 60 - 70 lbs. /acre	Feb. 15 - May 15	Feb. 1 - Apr. 15
		Aug. 15 - Nov. 15	Sep. 15 - Nov. 15

Choose one rye, perennial rye and/or fescue as a main crop grass. A combination can also be used in fall plantings.

Use of annual rye outside peak seeding times is beneficial as a quick, temporary cover.

Revegetation

Legume

Choose one of the following or a combination:

Table 11. Legumes Seeding Rates and Times

Seeding Mixture	Rate/Acre	N. Piedmont, Mountains, Valley	S. Piedmont, Coastal Plain
Kobe or rean L. Koespediza	15 lbs./acre	N/A	Mar. 1 - May 15
Hairy or Woodford	15 lbs./acre	N/A	Feb. 1 - May 15
Bigflower	15 lbs./acre	Feb. 15 - May 1	N/A
Lathco Flatpea Alfalfa	25 lbs./acre	Sep. 1 - Nov. 1	N/A

A legume will provide wildlife food and cover and add nitrogen to the soil. Choose one or a combination in addition to your main crop.

Revegetation

Grains and Grasses

Choose one of the following or a combination:

Table 12. Grains and Grasses Seeding Rates and Times

Seeding Mixture	Rate/Acre	N. Piedmont, Mountains, Valley	S. Piedmont, Coastal Plain
Weeping Lovegrass	20 lbs./acre	Mar. 15 - May 15	N/A
Foxtail Millet	20 lbs./acre	May 15 - Aug. 15	May 1 - Sep. 1
Hybrid Bermudagrass	15 lbs./acre	N/A	Mar. 1 - May 15

Adding additional grains and grasses ensures plant diversity if the main crop does not successfully seed. Many of these grasses produce grain seeds critical to game birds. Use weeping lovegrass on steep slopes when seeding in warm seasons.

Revegetation

Critical Planting Area

Mulching should always occur for critical area planting at rates of two to four tons of mulch per acre. If this type of planting occurs in mid-winter, consider mulch only until the spring seeding period occurs.

Table 13. Seeding Mixtures and Rates

Seeding Mixture		
Late Winter/Spring	Rate/1,000 sq. ft.	Rate/acre
Oats	2 lbs.	95 lbs.
Rye	3 lbs.	140 lbs.
Ryegrass	1 lb.	45 lbs.
Oats & Ryegrass	½ lb. - 1 lb.	45 - 60 lbs.
Oats & Korean Lespedeza	½ lb. - 1 lb.	45 - 60 lbs.
Summer	Rate/1,000 sq. ft.	Rate/acre
Sundangrass	1 lb.	35 - 45 lbs.
Browntop Millet	1 lb.	30 - 40 lbs.
Weeping Lovegrass	5 lbs.	25 lbs.
Late Summer/Early Winter	Rate/1,000 sq. ft.	Rate/acre
Rye	3 lbs.	140 lbs.
Ryegrass	1 lb.	45 lbs.
Oats (before Oct. 1)	2 lbs.	90 lbs.
Barley (before Oct. 15)	3 lbs.	140 lbs.
Wheat (after Oct. 1)	3 lbs.	140 lbs.